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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/758,929	01/11/2001	yasuoki Tanaka	F-6723	9618

7590   03/12/2004

Jordan and Hamburg LLP
122 East 42nd Street
New York, NY 10168

EXAMINER
HO, THE T

ART UNIT	PAPER NUMBER
2126	

DATE MAILED: 03/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 January 2001*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-3* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-3* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1. This action is in response to the application filed 1/11/2001.

2. Claims 1-3 have been examined and are pending in the application.

Specification

3. The disclosure is objected to because of the following informalities: the abstract should be limited to a single paragraph on a separate sheet within the range of 50 to 150 words. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

    A. The following terms lack antecedent basis:

        (i) Claim 1: "the input/output processing" (line 3); "clients" (line 3); "object data" (line 5); "response of processing" (lines 7-8); "the clients" (line 8); "item" (line 16).

        (ii) Claim 2: "the items of object data" (line 4); "said system" (line 4).

        (iii) Claim 3: "operations" (line 4).

B. The claim language in the following claims is not clearly understood:

(i) Claim 1: it is unclear whether the "object data" (line 5) and "an object data" (line 13) refer to the same thing.

(ii) Claim 1: it is unclear whether "said object data" (line 14) refers to the "object data" (line 5) or "an object data" (line 13).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki U.S Patent No. 6,385,636 in view of Landsman U.S Patent No. 6,687,737.

As to claim 1, Suzuki teaches a system comprising a client control unit (components of clients node 14, Fig. 3, line 36 column 7) including an I/O managing unit (task request part 144, line 55 column 7) for conducting the I/O processing of the routine (manipulation data indicating the requested task, line 53 column 7) on the client (client node 14, line 36 column 7) in various modes of display on screen, key entry, printer with respect to the object data to be processed (user manipulation of an input device such as a keyboard and a mouse, lines 51-52 column 7) and to be registered and managed in a server (the request being generated and send to the server node 12, lines 56-59 column

7); a data exchange control unit (reception processing part 146 and send processing part 154, Fig. 3, lines 58-59 column 7) for data-exchanging and processing the request (request for processing being sent from 154, Fig. 3, lines 58-59 column 7) and processing response (receives and analyzes data received from the server node 12, lines 61-62 column 7) between the client (client node 14, line 36 column 7) and the server (sever node 12, line 58 column 7); said processing response (receives and analyzes data received from the server node 12, lines 61-62 column 7) is separated into an I/O definition command (result of a database search task, lines 63-64 column 7) for routinely I/O processing of said I/O managing unit (task request part 144, line 55 column 7) and a data definition command (received data is an application program, line 66 column 7) for defining an object data (lines 66-67 column 7). Suzuki does not explicitly teach cache control and an object data managing unit.

Landsman teaches a client/server system (Fig. 1B) of requesting advertising content within an applet (lines 58-60 column 9) wherein an applet agent (AdController agent which is a Java applet, lines 59-60 column 16) from the server (HTTP server, line 56 column 16) is being sent to the client and being cached within the client browser (lines 60-63 column 16) so whenever the client execute the ad applet, the request for ad content within the applet is being sent to the AdController agent in the client browser for processing without going to the server (lines 1-4 column 17); an object data managing unit (Applet registry, line 37 column 20) for sharing and managing (a mechanism for inter-applet communication, lines 37-38 column 20) said object data (Transition sensor and AdController applets, line 39 column 20) wherein reference and update of the

object data is enabled (the latest version of the applets being downloaded, lines 30-33

column 20) in response to a command (browser determines, line 23 column 20). It

would have been obvious to apply the teachings of Landsman to the system of Suzuki

because this increases the rate of processing a request since the request can be

executed locally by the control agent that was sent from the server and was cached

within the client system.

As to claim 2, Landsman further teaches operation definitions defining the

operation processing (extends standard applet class definitions by overriding initialize,

start, run, stop and destroy life cycle methods, lines 4-6 column 24) between the items

of object data (all other objects, line 2 column 24), and an object data operating unit

(AdController applet, line 1 column 24) for conducting an operation processing between

the items of object data in response to the operation definition (lines 1-15 column 24).

As to claim 3, Landsman further teaches an dependence relation managing unit

Transition Sensor applet, line 65 column 27) for rearranging the order of operations

depending upon the dependence relations (advertisement are started in the order

specified in the file, lines 4-5 column 28) between the data items based upon the

operation definition (line 64 column 27 to line 14 column 28), whereby said object data

operating unit (AdController applet, line 1 column 24) conducts the operations in

accordance with the rearranged order (at the inception of an interstitial interval, signaled

by a Transition Sensor stop event, the AdController applet interstitially plays an

advertisement that has then been completely queued, lines 64-67 column 27).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to The Thanh Ho whose telephone number is 703-306-5540. A voice mail service is also available for this number. The examiner can normally be reached on Monday – Friday, 8:30 am – 5:00 pm.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Any response to this action should be mailed to:

Commissioner for Patents

P.O Box 1450

Alexandria, VA 22313-1450

Or fax to:

- AFTER-FINAL faxes must be signed and sent to (703) 746 – 7238

- OFFICAL faxes must be signed and sent to (703) 746 – 7239

- NON OFFICAL faxes should not be signed, please send to (703) 746 – 7240

TTH
March 4, 2004

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100